

Rush FEB. 28 11:42 AM

Work Order ID 157080

157080

Page 1

Monday, February 13, 2017 10:52:08 AM

Item ID: D130-701-043 Accept *N900040100* Setup Start *NS1*
Revision ID: Stop *NS2*
Item Name: EC130 Heli-Utility-Basket™ - Airframe Mount, Fits LH or RH
Start Date: 2/21/2017 Start Qty: 1.00 *1* Cust Item ID:
Required Date: 3/3/2017 Req'd Qty: 1.00 *1* Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start *NR1*
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
DS9769	A								
IIN D130-701	FNR	FEB 27 2017		DAS 6 9-89				DAS 21 9-89	17 02-27
100	Document Control	0.00							
100	DOCUMENT CONTROL								
DC	Memo	0.00							
Doc.Control -USB or Paperwork	Photocopy blue file and type labels per PPP D130-701-043 CHG009								DAS 28 9-89 MAR 01 2017
110	Pick Kit	0.00							
110									
Packaging	Memo	0.66							
Packaging	PICK KIT FOR BASKET ASSEMBLY								FEB 27 2017 DAS 6 9-89 SMB

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

Work Order ID 157080***157080***

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Monday, February 13, 2017 10:52:08 AM

Item ID: D130-701-043

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: EC130 Heli-Utility-Basket™ - Airframe Mount, Fits LH or RH

Start Date: 2/21/2017 Start Qty: 1.00 ***1***

Cust Item ID:

Required Date: 3/3/2017 Req'd Qty: 1.00 ***1***

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start

NR1

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120		0.00							
120	Small Fab								
Small Fab	Memo	0.66							
Small Fab	✓ Assemble as per Dwg IIN-D130-701								
	✓ Install D4090-1/-3 on lid label plate								
130	QC5- Inspect part completeness to step on W/O	0.00							
130									
QC	Memo	0.00							
Quality Control									
140	Pick Kit	0.00							
140									
Packaging	Memo	0.00							
Packaging									

1 x d 200 17/02/2017

DAS
38
9-89
MAR 01 2017

/ FEB 27 2017

DAS
6
9-89
DAS
27
9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause				FAULT CATEGORY			
Environment ☐	☐ No Re-verification	☐ Pressure/Forced	☐ Temperature/Cure	☐ Power Loss/Surge	☐ Positioned Wrong		
Design ☐	☐ Operator	☐ Bending	☐ Set-up	☐ Folio/Program	☐ Outside Dimensions		
Doc/Data ☐	☐ Offset/Setup	☐ Centre Not Concentric	☐ BOM/Route	☐ Grain	☐ Over/Under tolerance		
Equip/Tooling ☐	☐ Supplier	☐ Cracks	☐ Broken/Damage/Defect	☐ Weld	☐ Part Incorrect		
Handling/Pre ☐	☐ Training	☐ Crimp/Kink/Ripple/Wave	☐ Inspection Incomplete/Unqualified	☐ Wrong Stock Pulled	☐ Part Lost/Missing		
Material ☐	☐ Use for Testing	☐ Cuffs	☐ Contamination	☐ Out of Sequence	☐ Part Moved		
Internal Transport ☐	☐ Poor Information	☐ Crushing	☐ Countersink	☐ Off-set	☐ Drawing		
Tribal Knowledge ☐	☐ Rushing	☐ Heat Treat	☐ Cut Too Short	☐ Mislabeled	☐ Finish		
LOA ☐	☐ Product Improvement	☐ Wave/Twist in Tube	☐ Instructions Incomplete/Unclear	☐ Fit/Function	☐ Misread		
Substation ☐	☐ Process Improvement	☐ Marks/Chatter	☐ Drill Holes	☐ Misaligned/off center	☐ Turning Sequence		
Past Expiry Date ☐	☐ Manufacturing Process	OTHER : _____					
Misidentified ☐	☐ Past Due						

157080

Monday, February 13, 2017 10:52:08 AM

N900040100

Setup Start *NS1*

Stop *NS2*

Start Date: 2/21/2017 **Start Qty:** 1.00 ***1***

Cust Item ID:

Required Date: 3/3/2017 **Req'd Qty:** 1.00 ***1***

Customer:

Reference:

Run Start *NR1*

Approvals: **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____

Stop *NR2*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

150

QC4- 100% Inspect kits for completeness

0.00

150

QC

Memo

0.05

Quality Control

MAR 01 2017

160

0.00

160

Packaging

Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP D130-701-043

Location:

PPP Rev:

solg

MAR 01 2017

170

QC21- Final Inspection - Work Order Release

0.00

170

QC

Memo

0.02

Quality Control

DAS
21
9-89

MAR 02 2017

DAS
21
9-89

MAR 02 2017

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
								Completed By	
								Lead hand / Supervisor Approval Verification	
QC / QA Coordinator Approval									

Root Cause				FAULT CATEGORY			
Environment ☐	☐ No Re-verification	☐ Pressure/Forced	☐ Temperature/Cure	☐ Power Loss/Surge	☐ Positioned Wrong		
Design ☐	☐ Operator	☐ Bending	☐ Set-up	☐ Folio/Program	☐ Outside Dimensions		
Doc/Data ☐	☐ Offset/Setup	☐ Centre Not Concentric	☐ BOM/Route	☐ Grain	☐ Over/Under tolerance		
Equip/Tooling ☐	☐ Supplier	☐ Cracks	☐ Broken/Damage/Defect	☐ Weld	☐ Part Incorrect		
Handling/Pre ☐	☐ Training	☐ Crimp/Kink/Ripple/Wave	☐ Inspection Incomplete/Unqualified	☐ Wrong Stock Pulled	☐ Part Lost/Missing		
Material ☐	☐ Use for Testing	☐ Cuffs	☐ Contamination	☐ Out of Sequence	☐ Part Moved		
Internal Transport ☐	☐ Poor Information	☐ Crushing	☐ Countersink	☐ Off-set	☐ Drawing		
Tribal Knowledge ☐	☐ Rushing	☐ Heat Treat	☐ Cut Too Short	☐ Mislabeled	☐ Finish		
LOA ☐	☐ Product Improvement	☐ Wave/Twist in Tube	☐ Instructions Incomplete/Unclear	☐ Fit/Function	☐ Misread		
Substation ☐	☐ Process Improvement	☐ Marks/Chatter	☐ Drill Holes	☐ Misaligned/off center	☐ Turning Sequence		
Past Expiry Date ☐	☐ Manufacturing Process	OTHER : _____					
Misidentified ☐	☐ Past Due						

Picklist Print

Monday, February 13, 2017 10:52:14 AM

Page 1

Work Order ID: 157080

157080

Parent Item: D130-701-043

D130-701-043

Parent Item Name: EC130 Heli-Utility-Basket™ - Airframe Mount, Fits LH or RH

Start Date: 2/21/2017

Required Date: 3/3/2017

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A NEW ISSUE 10-04-20 JLM VERIFIED BY:DD IPP
Rev:B 11.01.31 now @ chg003 DD verified by:ec IPP Rev:C
11.03.21 now @ chg004 DD verified by:ec IPP Rev:D 11.04.27 per
ecn 11-554 DD verified by:ec IPP REV:E 14.04.11 DSI9693
REV.A DD VERF:JLM IPP Rev:F 16.11.03 now @ chg008 DD
VERF:JLM IPP Rev:G 17.02.13 now @ chg009 DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
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AN3-16A		Purchased	No			110	Each	87.0000	2	2			
AN3-16A									**			FEB 27 2017	DAS 6 9-89
Bolt													

Location	Loc Qty	Loc Code
GA	37	
117441	37	
ST348	50	
<u>M136665</u>	50	

AN4-22A		Purchased	No			110	Each	138.0000	1	1			
AN4-22A									**			FEB 27 2017	DAS 6 9-89
Bolt													

Location	Loc Qty	Loc Code
GA	50	
116419	50	
ST342	88	
<u>m136586</u>	88	

AN4-24A		Purchased	No			110	Each	9.0000	1	1			
AN4-24A									**			FEB 27 2017	DAS 6 9-89
Bolt													

Location	Loc Qty	Loc Code
ST342	9	
<u>M136665</u>	9	

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐								
Misidentified ☐	Past Due ☐	OTHER :							

Picklist Print

Monday, February 13, 2017 10:52:14 AM

Work Order ID: 157080

157080

Parent Item: D130-701-043

D130-701-043

Parent Item Name: EC130 Heli-Utility-Basket™ - Airframe Mount, Fits LH or RH

Start Date: 2/21/2017

Required Date: 3/3/2017

Start Qty: 1.00

Required Qty: 1.00

AN4-7A	Purchased	No	110	Each	41.0000	2	2
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FEB 27 2017

AN4-7A

Bolt

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
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ST345	41	
m136192	41	

DAS
6
9-89

AN5-17A	Purchased	No	110	Each	125.0000	4	4
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FEB 27 2017

AN5-17A

Bolt

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
-----------------	----------------	-----------------

GA	20	
117872	20	
over003	70	
m136648	70	
ST337	35	
m136047	35	

DAS
6
9-89

AN970-4	Purchased	No	110	Each	146.0000	4	4
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FEB 27 2017

AN970-4

Washer

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
-----------------	----------------	-----------------

ST260a	100	
m135390	0	
m136406	50	
m136787	50	
ST321	46	
m136044	46	

DAS
6
9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
							Completed By 		
							Lead hand / Supervisor Approval Verification 		
QC / QA Coordinator Approval 									

Root Cause				FAULT CATEGORY			
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐		
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐		
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐		
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐		
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐		
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐		
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐		
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐		
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐		
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐		
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____					
Misidentified ☐	Past Due ☐						

Picklist Print

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Monday, February 13, 2017 10:52:14 AM

Work Order ID: 157080

157080

Parent Item: D130-701-043

D130-701-043

Parent Item Name: EC130 Heli-Utility-Basket™ - Airframe Mount, Fits LH or RH

Start Date: 2/21/2017

Required Date: 3/3/2017

Start Qty: 1.00

Required Qty: 1.00

D2022-101 Manufactured No

110 Each 95.0000 2 2

D2022-101

Spacer

**

FEB 27 2017

D
f
9

Location	Loc Qty	Loc Code
ST001	30	
148309	30	
ST012a	65	
152306	65	

2

D2258-220 Manufactured No

110 Each 0.0000 1 1

D2258-220

Placard

**

156813 DAS 6 11/03/2017
9-89

D2332-041 Manufactured No

110 Each 7.0000 1 1

D2332-041

Lid Prop Assembly 6.69"

**

Location	Loc Qty	Loc Code
FG	2	
132567	1	
89226	1	
ST367	5	
154561	5	

FEB 27 2017 DAS 6 9-89

D2512 Manufactured No

110 Each 0.0000 1 1

D2512

Basket Lid

**

B156716 (1x) 11/17/02/28

D2530 Manufactured No

110 Each 9.0000 1 1

D2530

Handle Weldment

**

Location	Loc Qty	Loc Code
ST379	1	
152175	1	
ST389	8	
152748	8	

FEB 27 2017 DAS 6 9-89

Monday, February 13, 2017 10:52:14 AM

Shop Packet Print

Page 3

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
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Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
OTHER : ☐									

Picklist Print

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Work Order ID: 157080

157080

Parent Item: D130-701-043

D130-701-043

Parent Item Name: EC130 Heli-Utility-Basket™ - Airframe Mount, Fits LH or RH

Start Date: 2/21/2017

Required Date: 3/3/2017

Start Qty: 1.00

Required Qty: 1.00

D2535 Manufactured No 110 Each 57.0000 2 2

D2535

Spring

FEB 27 2017

Location

Loc Qty

Loc Code

ST008

57

152351

7

155434

50

D2537 Manufactured No 110 Each 44.0000 2 2

D2537

Bushing

FEB 27 2017

Location

Loc Qty

Loc Code

ST008

44

152293

24

154171

20

D2931 Manufactured No 110 Each 1,446.000 2 2

D2931

Bumper

FEB 27 2017

Location

Loc Qty

Loc Code

ST013

123

86435

123

ST025A

1323

86435

1323

D3172-041 Manufactured No 110 Each 0.0000 1 1

D3172-041

Basket Base Assembly

B156715 (1x) 200 17/02/21

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
								Completed By 	
								Lead hand / Supervisor Approval Verification 	
QC / QA Coordinator Approval 									

Root Cause				FAULT CATEGORY			
☐ Environment	☐ No Re-verification	☐ Pressure/Forced	☐ Temperature/Cure	☐ Power Loss/Surge	☐ Positioned Wrong		
☐ Design	☐ Operator	☐ Bending	☐ Set-up	☐ Folio/Program	☐ Outside Dimensions		
☐ Doc/Data	☐ Offset/Setup	☐ Centre Not Concentric	☐ BOM/Route	☐ Grain	☐ Over/Under tolerance		
☐ Equip/Tooling	☐ Supplier	☐ Cracks	☐ Broken/Damage/Defect	☐ Weld	☐ Part Incorrect		
☐ Handling/Pre	☐ Training	☐ Crimp/Kink/Ripple/Wave	☐ Inspection Incomplete/Unqualified	☐ Wrong Stock Pulled	☐ Part Lost/Missing		
☐ Material	☐ Use for Testing	☐ Cuffs	☐ Contamination	☐ Out of Sequence	☐ Part Moved		
☐ Internal Transport	☐ Poor Information	☐ Crushing	☐ Countersink	☐ Off-set	☐ Drawing		
☐ Tribal Knowledge	☐ Rushing	☐ Heat Treat	☐ Cut Too Short	☐ Mislabeled	☐ Finish		
☐ LOA	☐ Product Improvement	☐ Wave/Twist in Tube	☐ Instructions Incomplete/Unclear	☐ Fit/Function	☐ Misread		
☐ Substation	☐ Process Improvement	☐ Marks/Chatter	☐ Drill Holes	☐ Misaligned/off center	☐ Turning Sequence		
☐ Past Expiry Date	☐ Manufacturing Process	OTHER : _____					
☐ Misidentified	☐ Past Due						

Picklist Print

Monday, February 13, 2017 10:52:14 AM

Work Order ID: 157080

157080

Parent Item: D130-701-043

D130-701-043

Parent Item Name: EC130 Heli-Utility-Basket™ - Airframe Mount, Fits LH or RH

Start Date: 2/21/2017

Required Date: 3/3/2017

Start Qty: 1.00

Required Qty: 1.00

MS20600-AD4W3

Purchased

No

110

Each

468.0000

2

2

MS20600-AD4W3

Cherry Rivet

DAS

6
9-89

FEB 27 2017

Location

Loc Qty

Loc Code

ST308

200

m135603

200

WA003

268

m136648

268

2

MS21042L3

Purchased

No

110

Each

1,442.000

2

2

MS21042L3

Nut

DAS

6
9-89

FEB 27 2017

Location

Loc Qty

Loc Code

FP001

100

m135945

100

GA

150

m134360

108

m135135

42

OVER007

500

M136665

500

ST303

692

M136406

192

M136554

500

136838

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause				FAULT CATEGORY			
Environment ☐	☐ No Re-verification	☐ Pressure/Forced	☐ Temperature/Cure	☐ Power Loss/Surge	☐ Positioned Wrong		
Design ☐	☐ Operator	☐ Bending	☐ Set-up	☐ Folio/Program	☐ Outside Dimensions		
Doc/Data ☐	☐ Offset/Setup	☐ Centre Not Concentric	☐ BOM/Route	☐ Grain	☐ Over/Under tolerance		
Equip/Tooling ☐	☐ Supplier	☐ Cracks	☐ Broken/Damage/Defect	☐ Weld	☐ Part Incorrect		
Handling/Pre ☐	☐ Training	☐ Crimp/Kink/Ripple/Wave	☐ Inspection Incomplete/Unqualified	☐ Wrong Stock Pulled	☐ Part Lost/Missing		
Material ☐	☐ Use for Testing	☐ Cuffs	☐ Contamination	☐ Out of Sequence	☐ Part Moved		
Internal Transport ☐	☐ Poor Information	☐ Crushing	☐ Countersink	☐ Off-set	☐ Drawing		
Tribal Knowledge ☐	☐ Rushing	☐ Heat Treat	☐ Cut Too Short	☐ Mislabeled	☐ Finish		
LOA ☐	☐ Product Improvement	☐ Wave/Twist in Tube	☐ Instructions Incomplete/Unclear	☐ Fit/Function	☐ Misread		
Substation ☐	☐ Process Improvement	☐ Marks/Chatter	☐ Drill Holes	☐ Misaligned/off center	☐ Turning Sequence		
Past Expiry Date ☐	☐ Manufacturing Process	OTHER : _____					
Misidentified ☐	☐ Past Due						

Picklist Print

Monday, February 13, 2017 10:52:14 AM

Work Order ID: 157080

157080

Parent Item: D130-701-043

D130-701-043

Parent Item Name: EC130 Heli-Utility-Basket™ - Airframe Mount, Fits LH or RH

Start Date: 2/21/2017

Required Date: 3/3/2017

Start Qty: 1.00

Required Qty: 1.00

MS21042L4

Purchased

No

110

Each

1,610.000

4

4

MS21042I 4

Nut

**

FEB 27 2017
DAS 6 9-89

Location

Loc Qty

Loc Code

FP001

18

m133363

18

GA

187

m135058

187

OVER007

500

m136450

500

ST303

905

m136648

905

4

MS21042L5

Purchased

No

110

Each

257.0000

4

4

MS21042I 5

Nut

**

FEB 27 2017
DAS 6 9-89

Location

Loc Qty

Loc Code

GA

21

m127813

21

OVER007

100

m136450

100

ST303

136

m136295

36

m136740

100

4

NAS1149D0416J

Purchased

No

110

Each

3,884.000

2

2

NAS1149D0416.I

WASHER

**

FEB 27 2017
DAS 6 9-89

Location

Loc Qty

Loc Code

GA

811

m131511

811

ST264

3073

m131511

3073

2

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
							Completed By 		
							Lead hand / Supervisor Approval Verification 		
QC / QA Coordinator Approval 									

Root Cause				FAULT CATEGORY			
☐ Environment	☐ Design	☐ Doc/Data	☐ Equip/Tooling	☐ Handling/Pre	☐ Material	☐ Internal Transport	☐ Tribal Knowledge
☐ No Re-verification	☐ Operator	☐ Offset/Setup	☐ Supplier	☐ Training	☐ Use for Testing	☐ Poor Information	☐ Rushing
☐ Pressure/Forced	☐ Bending	☐ Centre Not Concentric	☐ Cracks	☐ Crimp/Kink/Ripple/Wave	☐ Cuffs	☐ Crushing	☐ Heat Treat
☐ Temperature/Cure	☐ Set-up	☐ BOM/Route	☐ Broken/Damage/Defect	☐ Inspection Incomplete/Unqualified	☐ Contamination	☐ Countersink	☐ Cut Too Short
☐ Power Loss/Surge	☐ Folio/Program	☐ Grain	☐ Weld	☐ Wrong Stock Pulled	☐ Out of Sequence	☐ Off-set	☐ Mislabeled
☐ Positioned Wrong	☐ Outside Dimensions	☐ Over/Under tolerance	☐ Part Incorrect	☐ Part Lost/Missing	☐ Part Moved	☐ Drawing	☐ Finish
☐ Misread	☐ Turning Sequence						
☐ Past Expiry Date	☐ Misidentified	☐ Past Due	OTHER : _____				

Picklist Print

Page 7

Monday, February 13, 2017 10:52:14 AM

Work Order ID: 157080

157080

Parent Item: D130-701-043

D130-701-043

Parent Item Name: EC130 Heli-Utility-Basket™ - Airframe Mount, Fits LH or RH

Start Date: 2/21/2017

Required Date: 3/3/2017

Start Qty: 1.00

Required Qty: 1.00

NAS1149D0463J

Purchased

No

110

Each

2,307.000

2

2

FEB 27 2017

NAS1149D0463.I

Washer

**

Location

Loc Qty

Loc Code

GA

80

M134508

13

M135056

67

ST263

2227

M136263

227

M136665

2000

NAS1149D0563J

Purchased

No

110

Each

756.0000

4

4

FEB 27 2017

NAS1149D0563.I

Washer

**

Location

Loc Qty

Loc Code

GA

187

m135774

187

ST263

569

m136295

569

NAS1149DN832J

Purchased

No

110

Each

1,276.000

2

2

FEB 27 2017

NAS1149DN832.I

Washer

**

Location

Loc Qty

Loc Code

ST264

1276

M135297

1276

D4037-1

Manufactured

No

140

Each

0.0000

1

1

157022 FEB 27 2017

D4037-1

Aft Crossbeam

**

D4037-3

Manufactured

No

140

Each

0.0000

1

1

156957 FEB 27 2017

D4037-3

Fwd Crossbeam

**

Monday, February 13, 2017 10:52:14 AM

Shop Packet Print

Page 7

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																																																										
Description Work Order Deviation				Disposition				Completed By																																																									
								Lead hand / Supervisor Approval Verification																																																									
								QC / QA Coordinator Approval																																																									
Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____			
Misidentified ☐	Past Due ☐																																																																

Picklist Print

Monday, February 13, 2017 10:52:14 AM

Work Order ID: 157080

157080

Parent Item: D130-701-043

D130-701-043

Parent Item Name: EC130 Heli-Utility-Basket™ - Airframe Mount, Fits LH or RH

Start Date: 2/21/2017

Required Date: 3/3/2017

Start Qty: 1.00

Required Qty: 1.00

D4038-041 Manufactured No

140 Each 0.0000

1 1

**

D4038-041

Angle Assembly Fwd LH

D4038-042 Manufactured No

140 Each 0.0000

1 1

**

D4038-042

Angle Assembly Fwd RH

D4038-043 Manufactured No

140 Each 0.0000

1 1

**

D4038-043

Angle Assembly Aft LH

D4038-044 Manufactured No

140 Each 0.0000

1 1

**

D4038-044

Angle Assembly Aft RH

D4039-041 Manufactured No

140 Each 1.0000

1 1

**

D4039-041

Fwd Bracket Assembly

Location

Loc Qty

Loc Code

ST476

1

154336

1

D4039-043 Manufactured No

140 Each 1.0000

1 1

**

D4039-043

Aft Bracket Assembly

Location

Loc Qty

Loc Code

ST477

1

154337

1

D4040-1 Manufactured No

140 Each 7.0000

4 4

**

D4040-1

Radius Block

Location

Loc Qty

Loc Code

st073

7

144123

7

DAS 6 27 9-89 MAR 01 2017

DAS 6 27 9-89 MAR 01 2017

DAS 6 27 9-89 MAR 01 2017

DAS 6 27 9-89 MAR 01 2017

DAS 6 27 9-89 MAR 01 2017

DAS 6 27 9-89 FEB 27 2017

DAS 6 27 9-89 FEB 27 2017

DAS 6 27 9-89 FEB 27 2017

DAS 6 27 9-89 FEB 27 2017

DAS 6 27 9-89 FEB 27 2017

DAS 6 27 9-89 FEB 27 2017

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. 247		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : 8/22/20		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐	OTHER : _____			

Picklist Print

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Monday, February 13, 2017 10:52:14 AM

Work Order ID: 157080

157080

Parent Item: D130-701-043

D130-701-043

Parent Item Name: EC130 Heli-Utility-Basket™ - Airframe Mount, Fits LH or RH

Start Date: 2/21/2017

Required Date: 3/3/2017

Start Qty: 1.00

Required Qty: 1.00

D4090-1

Manufactured No

140

Each

3.0000

1

1

D4090-1

Placard

**

DAS 27 9-89
FEB 27 2017

Location

Loc Qty

Loc Code

ST078

3

148444

3

7/7/2017

D4090-3

Manufactured No

140

Each

3.0000

1

1

D4090-3

Placard

**

DAS 27 9-89
FEB 27 2017

Location

Loc Qty

Loc Code

ST078

3

148445

3

D4090-5

Manufactured No

140

Each

15.0000

1

1

D4090-5

Placard

**

DAS 27 9-89
FEB 27 2017

Location

Loc Qty

Loc Code

ST078

15

155412

5

155425

10

1/18/2018

D4090-7

Manufactured No

140

Each

5.0000

1

1

D4090-7

Placard

**

DAS 27 9-89
FEB 27 2017

Location

Loc Qty

Loc Code

ST078

5

152692

5

D5359-041

Manufactured No

140

Each

0.0000

1

1

D5359-041

Strut Assembly, LH/RH

**

DAS 27 9-89
MAR 01 2017

Monday, February 13, 2017 10:52:14 AM

Shop Packet Print

Page 9

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																																																										
Description Work Order Deviation				Disposition				Completed By																																																									
								Lead hand / Supervisor Approval Verification																																																									
								QC / QA Coordinator Approval																																																									
Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER :			
Misidentified ☐	Past Due ☐																																																																

Picklist Print

Page 10

Monday, February 13, 2017 10:52:14 AM

Work Order ID: 157080

157080

Parent Item: D130-701-043

D130-701-043

Parent Item Name: EC130 Heli-Utility-Basket™ - Airframe Mount, Fits LH or RH

Start Date: 2/21/2017

Required Date: 3/3/2017

Start Qty: 1.00

Required Qty: 1.00

D5393-041

Manufactured No

140

Each

0.0000

1

1

D5393-041

Strut Assembly

D5394-043

Manufactured No

140

Each

0.0000

1

1

D5394-043

Bracket Assembly

D5395-1

Manufactured No

140

Each

0.0000

1

1

D5395-1

Bracket

AN4-6A

Purchased No

140

Each

501.0000

2

2

AN4-6A

BOLT

Location

Loc Qty

Loc Code

over003

200

M136554

200

ST345

301

M135945

103

M136263

198

AN4-14A

Purchased No

140

Each

154.0000

2

2

AN4-14A

Bolt

Location

Loc Qty

Loc Code

FG

5

122141

5

ST344

149

M136554

99

M136665

50

MAR 01 2017
DAS 27
9-89 9-89

157092
B157093

DAS 27
9-89 9-89
FEB 27 2017

DAS 27
9-89 9-89
FEB 27 2017

DAS 27
9-89 9-89
FEB 27 2017

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation			Disposition		
			Completed By		
			Lead hand / Supervisor Approval Verification		
			QC / QA Coordinator Approval		
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

Picklist Print

Monday, February 13, 2017 10:52:15 AM

Work Order ID: 157080

157080

Parent Item: D130-701-043

D130-701-043

Parent Item Name: EC130 Heli-Utility-Basket™ - Airframe Mount, Fits LH or RH

Start Date: 2/21/2017

Required Date: 3/3/2017

Start Qty: 1.00

Required Qty: 1.00

AN5-10A Purchased No 140 Each 121.0000 16 16

AN5-10A

Bolt

FEB 27 2017

DAS
6
9-89

DAS
27
9-89

DAS
28
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

GA	29	
122800	29	
over003	50	
m136787	50	
ST338	42	
m136192	42	

16

MS20002C5

Purchased No 140 Each 36.0000 8 8

MS20002C5

Washer

FEB 27 2017

DAS
6
9-89

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST314	36	
m132680	36	

8

MS20002C6

Purchased No 140 Each 57.0000 12 12

MS20002C6

WASHER

FEB 27 2017

DAS
6
9-89

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST314	57	
m134754	57	

12

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

Picklist Print

Monday, February 13, 2017 10:52:15 AM

Work Order ID: 157080

157080

Parent Item: D130-701-043

D130-701-043

Parent Item Name: EC130 Heli-Utility-Basket™ - Airframe Mount, Fits LH or RH

Start Date: 2/21/2017

Required Date: 3/3/2017

Start Qty: 1.00

Required Qty: 1.00

MS21042L4

Purchased

No

140

Each

1,610.000

8

8

MS21042I 4

Nut

FEB 27 2017

DAS
6
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

FP001

18

m133363

18

GA

187

m135058

187

OVER007

500

m136450

500

ST303

905

m136648

905

MS21042L5

Purchased

No

140

Each

257.0000

28

28

MS21042I 5

Nut

FEB 27 2017

DAS
6
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

21

m127813

21

OVER007

100

m136450

100

ST303

136

m136295

36

m136740

100

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
								Completed By	
								Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval					

Root Cause				FAULT CATEGORY			
Environment ☐		No Re-verification ☐		Pressure/Forced ☐		Temperature/Cure ☐	
Design ☐		Operator ☐		Bending ☐		Set-up ☐	
Doc/Data ☐		Offset/Setup ☐		Centre Not Concentric ☐		BOM/Route ☐	
Equip/Tooling ☐		Supplier ☐		Cracks ☐		Broken/Damage/Defect ☐	
Handling/Pre ☐		Training ☐		Crimp/Kink/Ripple/Wave ☐		Inspection Incomplete/Unqualified ☐	
Material ☐		Use for Testing ☐		Cuffs ☐		Contamination ☐	
Internal Transport ☐		Poor Information ☐		Crushing ☐		Countersink ☐	
Tribal Knowledge ☐		Rushing ☐		Heat Treat ☐		Cut Too Short ☐	
LOA ☐		Product Improvement ☐		Wave/Twist in Tube ☐		Instructions Incomplete/Unclear ☐	
Substation ☐		Process Improvement ☐		Marks/Chatter ☐		Drill Holes ☐	
Past Expiry Date ☐		Manufacturing Process ☐		OTHER : _____			
Misidentified ☐		Past Due ☐					

Picklist Print

Monday, February 13, 2017 10:52:15 AM

Work Order ID: 157080

157080

Parent Item: D130-701-043

D130-701-043

Parent Item Name: EC130 Heli-Utility-Basket™ - Airframe Mount, Fits LH or RH

Start Date: 2/21/2017

Required Date: 3/3/2017

Start Qty: 1.00

Required Qty: 1.00

MS21042L6 Purchased No 140 Each 257.0000 12 12

MS21042L6

Nut

**

FEB 27 2017

DAS 27

9-89

DAS 6 9-89

DAS 28 9-89

Location	Loc Qty	Loc Code
OVER007	50	
m136740	50	
ST303	207	
m135864	57	
m136295	50	
m136450	50	
m136579	50	

12

MS21250-05032 Purchased No 140 Each 11.0000 4 4

MS21250-05032

Bolt

**

FEB 27 2017

DAS 27

9-89

DAS 6 9-89

DAS 28 9-89

Location	Loc Qty	Loc Code
ST294	11	
M136740	11	

4

MS21250-05038 Purchased No 140 Each 10.0000 4 4

MS21250-05038

Bolt

**

FEB 27 2017

DAS 27

9-89

DAS 6 9-89

DAS 28 9-89

Location	Loc Qty	Loc Code
ST294	10	
M136740	10	

4

MS21250-06018 Purchased No 140 Each 31.0000 12 12

MS21250-06018

BOLT

**

FEB 27 2017

DAS 27

9-89

DAS 6 9-89

DAS 28 9-89

Location	Loc Qty	Loc Code
ST294	31	
m136741	31	

12

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
							Completed By		
							Lead hand / Supervisor Approval Verification		
							QC / QA Coordinator Approval		
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
OTHER : _____									

Picklist Print

Monday, February 13, 2017 10:52:15 AM

Work Order ID: 157080

157080

Parent Item: D130-701-043

D130-701-043

Parent Item Name: EC130 Heli-Utility-Basket™ - Airframe Mount, Fits LH or RH

Start Date: 2/21/2017

Required Date: 3/3/2017

Start Qty: 1.00

Required Qty: 1.00

NAS1149D0463J

Purchased

No

140

Each

2,307.000

7

7

NAS1149D0463.J

Washer

**

DAS
6
9-89

FEB 27 2017

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

GA

80

M134508

13

M135056

67

ST263

2227

M136263

227

M136665

2000

NAS1149D0563J

Purchased

No

140

Each

756.0000

44

44

NAS1149D0563.J

Washer

**

DAS
6
9-89

FEB 27 2017

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

GA

187

m135774

187

ST263

569

m136295

569

NAS1149D0663J

Purchased

No

140

Each

1,100.000

12

12

NAS1149D0663.J

Washer

**

DAS
6
9-89

FEB 27 2017

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST260a

500

M136787

500

ST263

600

M136192

600

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER :							
Misidentified ☐	Past Due ☐								

Picklist Print

Page 15

Monday, February 13, 2017 10:52:15 AM

Work Order ID: 157080

157080

Parent Item: D130-701-043

D130-701-043

Parent Item Name: EC130 Heli-Utility-Basket™ - Airframe Mount, Fits LH or RH

Start Date: 2/21/2017

Required Date: 3/3/2017

Start Qty: 1.00

Required Qty: 1.00

NAS1149F0463P

Purchased

No

140

Each

492.0000

4

4

NAS1149F0463P

Washer

Location

Loc Qty

Loc Code

ST262

492

m127832

492

DAS
28
9-89

DAS
6
9-89

DAS
27
9-89

FEB 27 2017

4



Work Order update only

Work Order: _____		DISPOSITION		AGAINST DEPARTMENT/PROCESS									
Part No. _____		Rework ☐		Skid-tube ☐		Cross tube ☐		Water Jet ☐		Engineering ☐			
NCR No. _____		Scrap ☐		Machining ☐		Small Fab ☐		Prod. Eng. Coord. ☐		Quality ☐			
		Use-as-is ☐		Thermoforming ☐		Finishing ☐		Rec/Store/Packaging ☐		Other ☐			
		Suspected Unapproved ☐		Large Fab ☐		Composite ☐		Supplier ☐					
Date :		Step #:		QTY Effective :						MRB (QSI042) Approval			
Description Work Order Deviation				Disposition									
												Completed By	
												Lead hand / Supervisor Approval Verification	
												QC / QA Coordinator Approval	
Root Cause				FAULT CATEGORY									
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐				Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐									
OTHER :													

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D130-701 REV. F AND INSTRUCTIONS FOR
CONTINUED AIRWORTHINESS ICA-D130-701 REV. 5 OR LATER APPROVED REVISION

REF. TCCA STC: SH94-14
REF. FAA STC: SR00213NY
REF. EASA STC: 10016996
REF. ANAC STC: 2007S03-03

SHOP COPY
RETURN TO
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UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 1570804P

FEB 13 2017

1.0 PURPOSE

The purpose of this Dart Service Instruction (DSI) is to provide instructions to install the improved design D5359-041 Strut Assembly on the D130-701-043 Basket Installation at CHG 009 or later and the D130-701-041 Basket Installation at CHG 006 or later.

The improved D5359-041 Strut Assembly fits both LH and RH installations. Therefore, the D5359-042 Strut Assembly has been eliminated from the D130-701-043 kits at CHG 009 and later and the D130-701-041 kits at CHG 006 and later.

2.0 INSTALLATION

1. Refer to IIN-D130-701 Rev F Figure 9 and replace with Figure 1 of this DSI.

2. Refer to IIN-D130-701 Rev F and replace sections 3.2.15 & 3.2.16 as follows:

3.2.15 Locate the D5359-041 strut assembly as shown in Figure 9.

3.2.16 Adjust the clevises at both ends of the strut to the appropriate length and angle to ensure that the MS17984-CXXX quick release pins can be engaged as shown in Figure 9 and install the MS17984-CXXX quick release pins. It is acceptable to flip orientation of the MS17984-CXXX Quick release pins to facilitate installation of the D5359-041 strut assembly.

3.2.17 Torque the quantity (2) NAS509-6C jam nut per Table 1 (of IIN-D130-701). Check the witness holes on the strut to ensure that the threads on the clevises extend past the witness holes.

3.2.18 Secure the NAS509-6C jam nuts to the AN3CH11A or AN3CH12A bolts using lock wire per AC43.13 or MS33540.

3. Continue with remainder of installation starting at section 3.2.17 of IIN-D130-701 Rev F.

3.0 MAINTENANCE

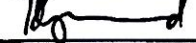
1. Refer to ICA-D130-701 Rev 5 Figure 25-6 and add Figure 1 of this DSI as Figure 25-6C.

2. With reference to sections 25.2.5 and 25.6.4 of ICA-D130-701 Rev 5, install D5359-041 strut assembly on both LH and RH baskets for D130-701-041 at CHG 006 and subsequent and D130-701-043 at CHG 009 and subsequent

3. Maintain the improved D5359-041 strut assembly per ICA-D130-701 Rev 5.

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

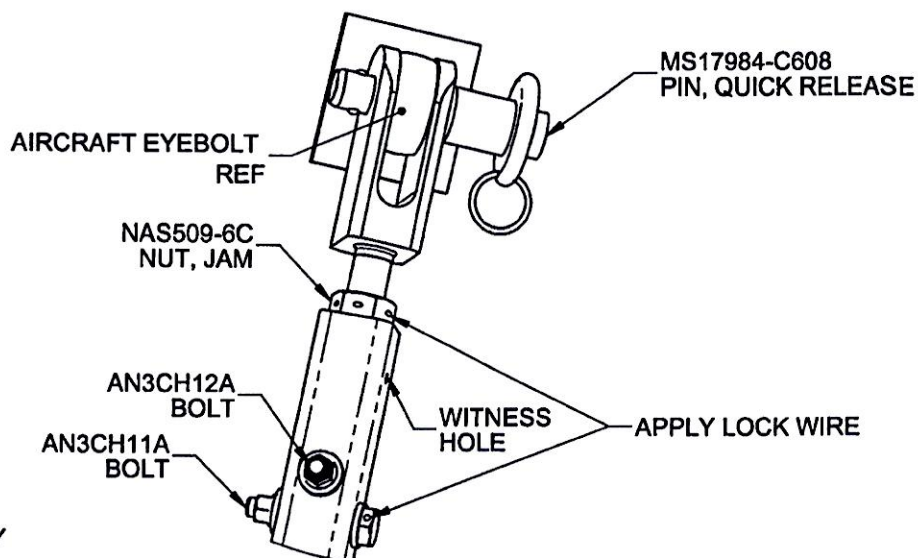
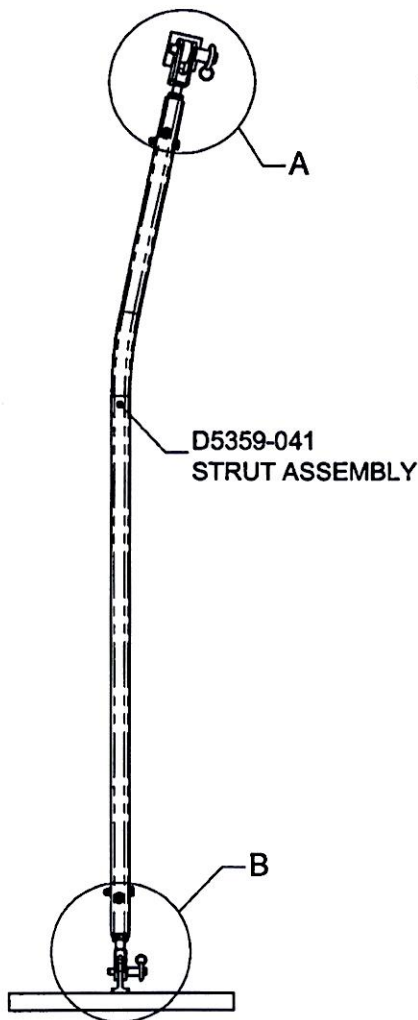
APPROVED

BY: 
D. SHEPHERD (DE # 02)

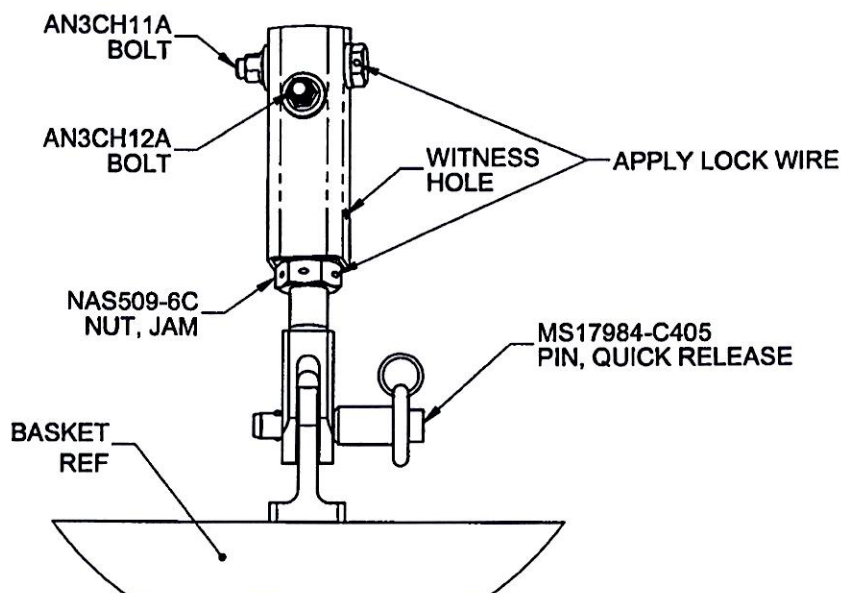
DATE: 16.12.22
CERT. NO.: SH94-14
ISSUE NO.: 7

APPROVED

A	NEW ISSUE	AJS	16.12.22
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	NO		
CHECKED	AJS	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9769	SHEET 1 OF 3
APPROVED	WM	TITLE	SCALE
DE APPR.	DS	STRUT INSTALLATION	NTS
DATE	16.12.22	COPYRIGHT © 2016 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



DETAIL A



DETAIL B

Figure 1- Strut Installation
(-041 Baskets at CHG 006 and Subsequent)
(-043 Baskets at CHG 009 and Subsequent)

CANADA
 DEPARTMENT OF TRANSPORT
 AIRCRAFT CERTIFICATION
 BRANCH
 DAO # 01-O-01

APPROVED

BY: *[Signature]*
 D. SHEPHERD (DE # 02)

DATE: 16.12.22
 CERT. NO.: SH94-14
 ISSUE NO.: 7

APPROVED

DESIGN	AJS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	NO		
CHECKED	AJS	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9769	SHEET 2 OF 3
APPROVED	WM	TITLE	SCALE
DE APPR.	DS	STRUT INSTALLATION	NTS
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4.0 WEIGHT AND BALANCE

There is a negligible weight and balance change associated with this modification.

5.0 PARTS LIST

Update the Parts List in IIN-D130-701 Rev F and ICA-D130-701 Rev 5 as follows for D130-701-043 at CHG 009 or later and D130-701-041 at CHG 006 or later.

QTY -041	QTY -043	Part Number	Description
X		D130-701-041	HELI-UTILITY-BASKET
	X	D130-701-043	HELI-UTILITY-BASKET
1	1	D5359-041	STRUT ASSEMBLY
	1	D5359-042	STRUT ASSEMBLY
	1	D5367-1	BUSHING

DELETE

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE # 02)

DATE: 16.12.22
CERT. NO.: SH94-14
ISSUE NO.: 7

APPROVED

DESIGN	AJS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
DRAWN	NO	
CHECKED	AJS	DRAWING NO. REV. A
MFG. APPR.	N/A	DSI 9769 SHEET 3 OF 3
APPROVED	WM	TITLE SCALE
DE APPR.	DS	STRUT INSTALLATION NTS
DATE	16.12.22	COPYRIGHT © 2016 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.

Qty -041	Qty -043	Qty -011	Qty -013	Part Number	Description
10 (4)	28 (4)	24	24	+MS21042L5	NUT (OR MS21042-5)
	12	12		MS21042L6	NUT (OR MS21042-6)
	4	4	4	MS21250-05032	BOLT
	4	4	4	MS21250-05038	BOLT
	12	12		MS21250-06018	BOLT
2	2			*NAS1149DN832J	WASHER (AN960JD8)
2	2			*NAS1149D0416J	WASHER (AN960JD416L)
7 (2)	7 (2)			+NAS1149D0463J	WASHER (AN960JD416)
16 (4)	44 (4)	40	40	+NAS1149D0563J	WASHER (AN960JD516)
	12	12		NAS1149D0663J	WASHER (AN960JD616)

* Pre-assembled prior to shipping

+ Quantity in () preassembled prior to shipping

5.2. FOR D130-701-041 HELI-UTILITY BASKET KITS AT CHG 005 AND SUBSEQUENT, AND FOR D130-701-043 HELI-UTILITY BASKET KITS AT CHG 007 AND SUBSEQUENT

No change to D130-701-011 Conversion Kits and D130-701-013 Fixed Provisions Kit.

Qty -041	Qty -043	Part Number	Description
X		D130-701-041	HELI-UTILITY-BASKET
	X	D130-701-043	HELI-UTILITY BASKET
2	2	*D2022-101	SPACER
1	1	*D2258-220	LABEL
1	1	*D2332-041	PROP ASSEMBLY
1	1	*D2512	BASKET LID ASSEMBLY
1	1	*D2530	HANDLE ASSEMBLY
2	2	*D2535	SPRING
2	2	*D2537	BUSHING
2	2	*D2931	BUMPER
1	1	*D3172-041	BASKET BASE ASSEMBLY
2		D3173-041	BEAM ASSEMBLY
1		D3177-041	BRACKET ASSEMBLY
1		D3177-043	BRACKET ASSEMBLY
	1	D4037-1	AFT CROSSBEAM
	1	D4037-3	FWD CROSSBEAM
	1	D4038-041	ANGLE ASSEMBLY, FWD, LH
	1	D4038-042	ANGLE ASSEMBLY, FWD, RH
	1	D4038-043	ANGLE ASSEMBLY, AFT, LH
	1	D4038-044	ANGLE ASSEMBLY, AFT, RH
	1	D4039-041	FWD BRACKET ASSEMBLY
	1	D4039-043	AFT BRACKET ASSEMBLY
	4	D4040-1	RADIUS BLOCK
	1	D4090-1	PLACARD
	1	D4090-3	PLACARD
	1	D4090-5	PLACARD
	1	D4090-7	PLACARD
	1	D5359-041	STRUT ASSEMBLY
	1	D5359-042	STRUT ASSEMBLY
	1	D5367-1	BUSHING
	1	D5393-041	STRUT ASSEMBLY

REFERENCE ONLY

4.0 WEIGHT AND BALANCE

There is a negligible weight and balance change associated with this modification.

5.0 PARTS LIST

Update the Parts List in IIN-D130-701 Rev F and ICA-D130-701 Rev 5 as follows for D130-701-043 at CHG 009 or later and D130-701-041 at CHG 006 or later.

QTY -041	QTY -043	Part Number	Description
X		D130-701-041	HELI-UTILITY-BASKET
	X	D130-701-043	HELI-UTILITY-BASKET
1	1	D5359-041	STRUT ASSEMBLY
	1	D5359-042	STRUT ASSEMBLY
	1	D5367-1	BUSHING

DELETE

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED
BY: 
D. SHEPHERD (DE # 02)

DATE: 16.12.22
CERT. NO.: SH94-14
ISSUE NO.: 7

APPROVED

DESIGN	AJS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
DRAWN	NO	
CHECKED	AJS	DRAWING NO. REV. A
MFG. APPR.	N/A	DSI 9769 SHEET 3 OF 3
APPROVED	WM	TITLE SCALE
DE APPR.	DS	STRUT INSTALLATION NTS
DATE	16.12.22	

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Qty -041	Qty -043	Part Number	Description
	1	D5394-043	BRACKET
	1	D5395-1	BRACKET
2	2	*AN3-16A	BOLT
2	2	AN4-6A	BOLT
2	2	AN4-14A	BOLT
1	1	*AN4-22A	BOLT
1	1	*AN4-24A	BOLT
(2)	(2)	+AN4-7A	BOLT
4	16	AN5-10A	BOLT
4	4	*AN5-17A	BOLT
2		AN5-23A	BOLT
4	4	*AN970-4	WASHER
	8	MS20002C5	WASHER
	12	MS20002C6	WASHER
2	2	*MS20600AD4W3	RIVET
2	2	*MS21042L3	NUT (OR MS21042-3)
8 (4)	8 (4)	+MS21042L4	NUT (OR MS21042-4)
10 (4)	28 (4)	+MS21042L5	NUT (OR MS21042-5)
	12	MS21042L6	NUT (OR MS21042-6)
	4	MS21250-05032	BOLT
	4	MS21250-05038	BOLT
	12	MS21250-06018	BOLT
2	2	*NAS1149DN832J	WASHER (AN960JD8)
2	2	*NAS1149D0416J	WASHER (AN960JD416L)
7 (2)	7 (2)	+NAS1149D0463J	WASHER (AN960JD416)
16 (4)	44 (4)	+NAS1149D0563J	WASHER (AN960JD516)
	12	NAS1149D0663J	WASHER (AN960JD616)
4	4	NAS1149F0463P	WASHER

* Pre-assembled prior to shipping

+ Quantity in () preassembled prior to shipping